



Certified Arboricultural Assessment

15 March 2017

750 SE 8th Ave
Hillsboro, Or 97123

RE: Overall statue viability – Chief Kno Tah

Assignment:

This letter is intended to summarize a visual inspection of one wooden statue located at Shute Park, Hillsboro. The statue is located in the South East quadrant of the park. Initial ground inspection of statue was carried out the morning of 16 February, 2017.

Observations:

Statue looks to approx. 25' tall and 6' in diameter. Statue shows past feather failure along with recent damage from adjacent tree failure hitting the statue on top and at the base. The recent damage has exposed internal wood showing that rate of decay is severe. Wood is punky where exposed which means the strength and structural stability is suspect. Severe punk wood (as shown in photo on forehead) typically will provide little to no structural support. Statue is now seated on its base in an awkward position probably due to strike from adjacent tree failure as well as lack of statues structural integrity.

Mallet sounding was performed showing statue to be hollow with an average 2-3" shell wall thickness. An attempt to core sample shell wall outer wood of statue was made to check for wood quality, but no sample was attainable due to thin wall and no core in statue.

Statue also indicates a large infestation of carpenter ants' interior galleries when a piece of the statue was removed where damage occurred near the foot plate on the east side.

Findings and recommendations:

The entire statue is hollow. Most of the strength is in the outer 2-3" of the statue in regards to standing strength, which is mainly intact but varies in thickness.

There are many variables in the longevity of this statue. Weather, pests and decay look to have played a major role in the debilitation of the statue as is true for all nonliving exterior wood structures.

In the short term, I recommend a fence be placed around the statue at a safe distance that no harm could come if the base were to fail.

In the long term (greater than 12 calendar months), it is of my opinion that the statue be removed for safety as failure is probable due to the existing condition of statue and its lack of structural wood integrity.



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Thank you and please let me know if there are further questions.

Sincerely,

Trevor March

Certified Arborist PN 5740 BM

503-380-6688

Photographic Reference:



Above: Chief showing damage to at upper crown and further damage near lower base